

Appendix Test Data

Report No.:	1812C50338612501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-9	Finish Test Date:	2025-7-12
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.8°C	Relative Humidity:	51%
Pressure:	101kPa		

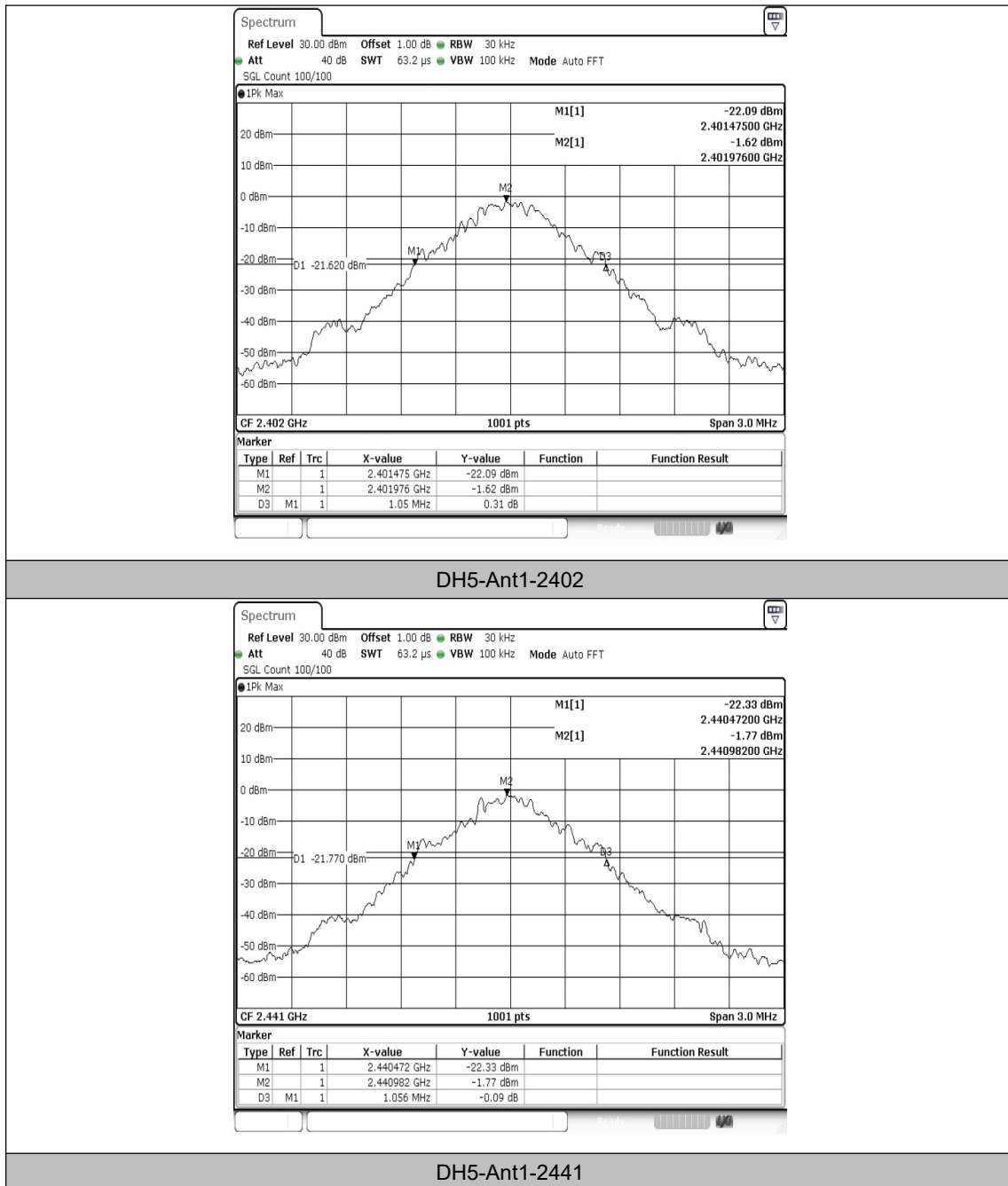
Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.05	2401.48	2402.53	---	---
DH5	Ant1	2441	1.06	2440.47	2441.53	---	---
DH5	Ant1	2480	1.08	2479.45	2480.53	---	---
2DH5	Ant1	2402	1.33	2401.33	2402.66	---	---
2DH5	Ant1	2441	1.34	2440.35	2441.69	---	---
2DH5	Ant1	2480	1.42	2479.29	2480.71	---	---
3DH5	Ant1	2402	1.28	2401.35	2402.64	---	---
3DH5	Ant1	2441	1.32	2440.35	2441.67	---	---
3DH5	Ant1	2480	1.29	2479.36	2480.65	---	---



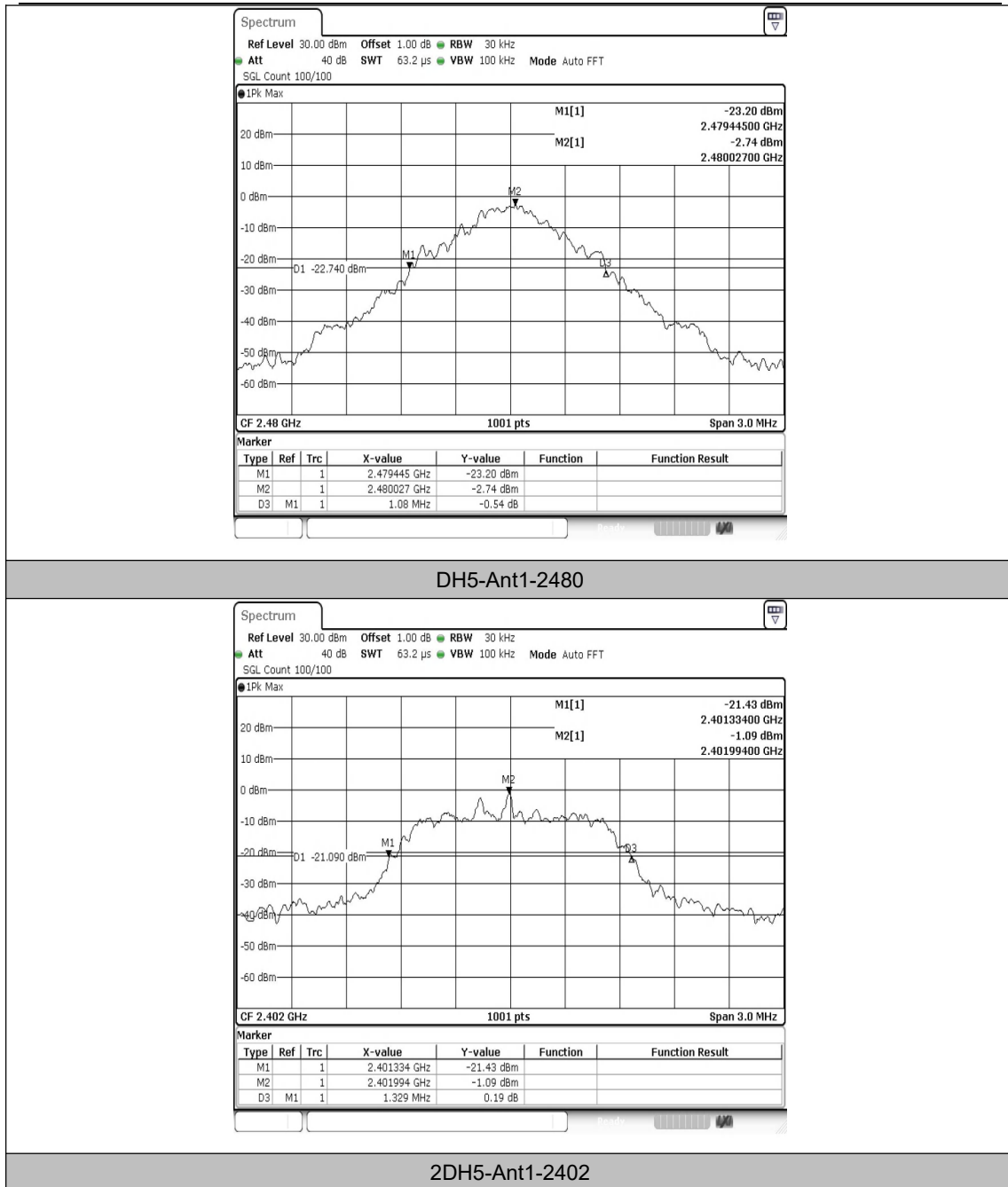
Test Graphs

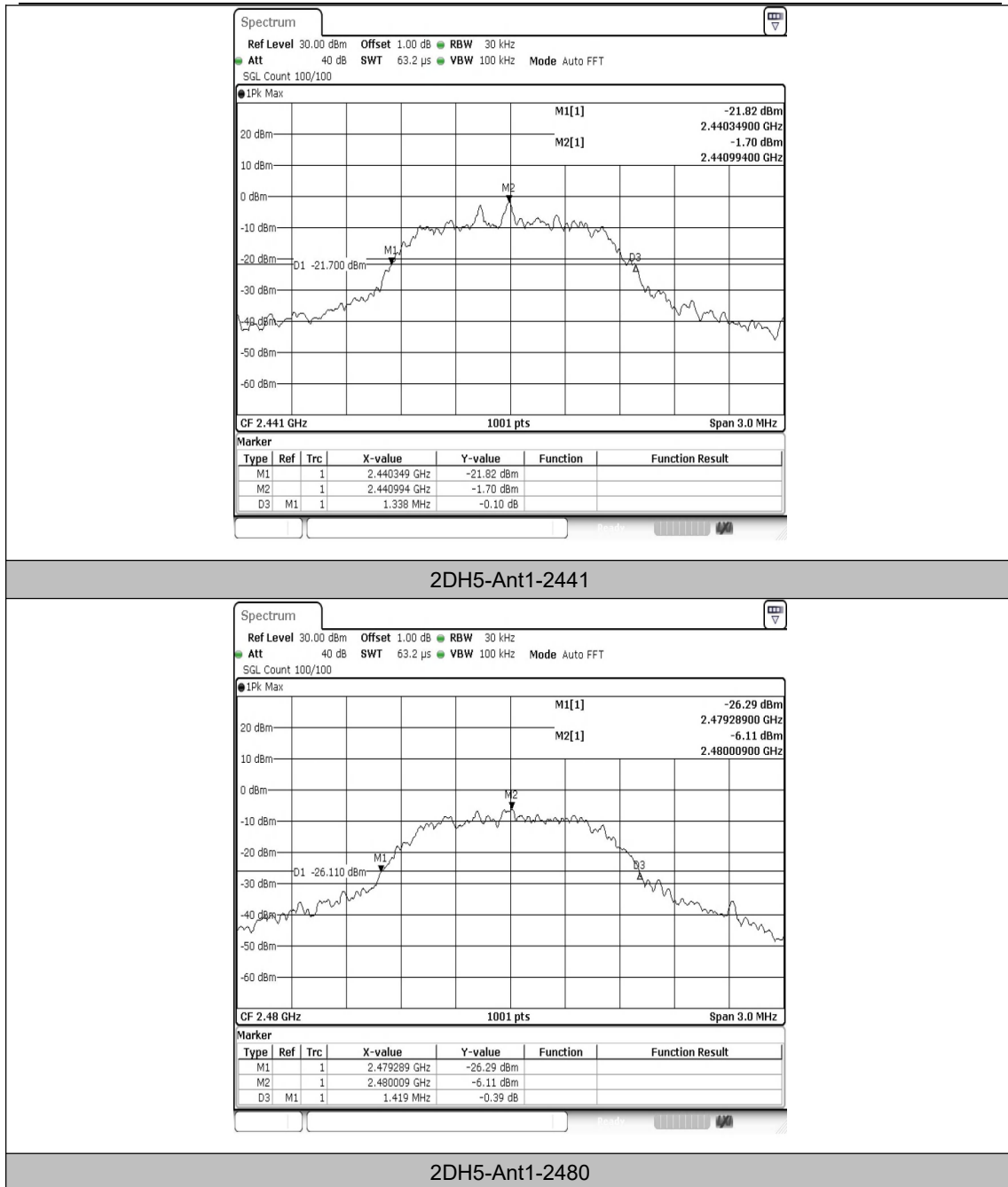


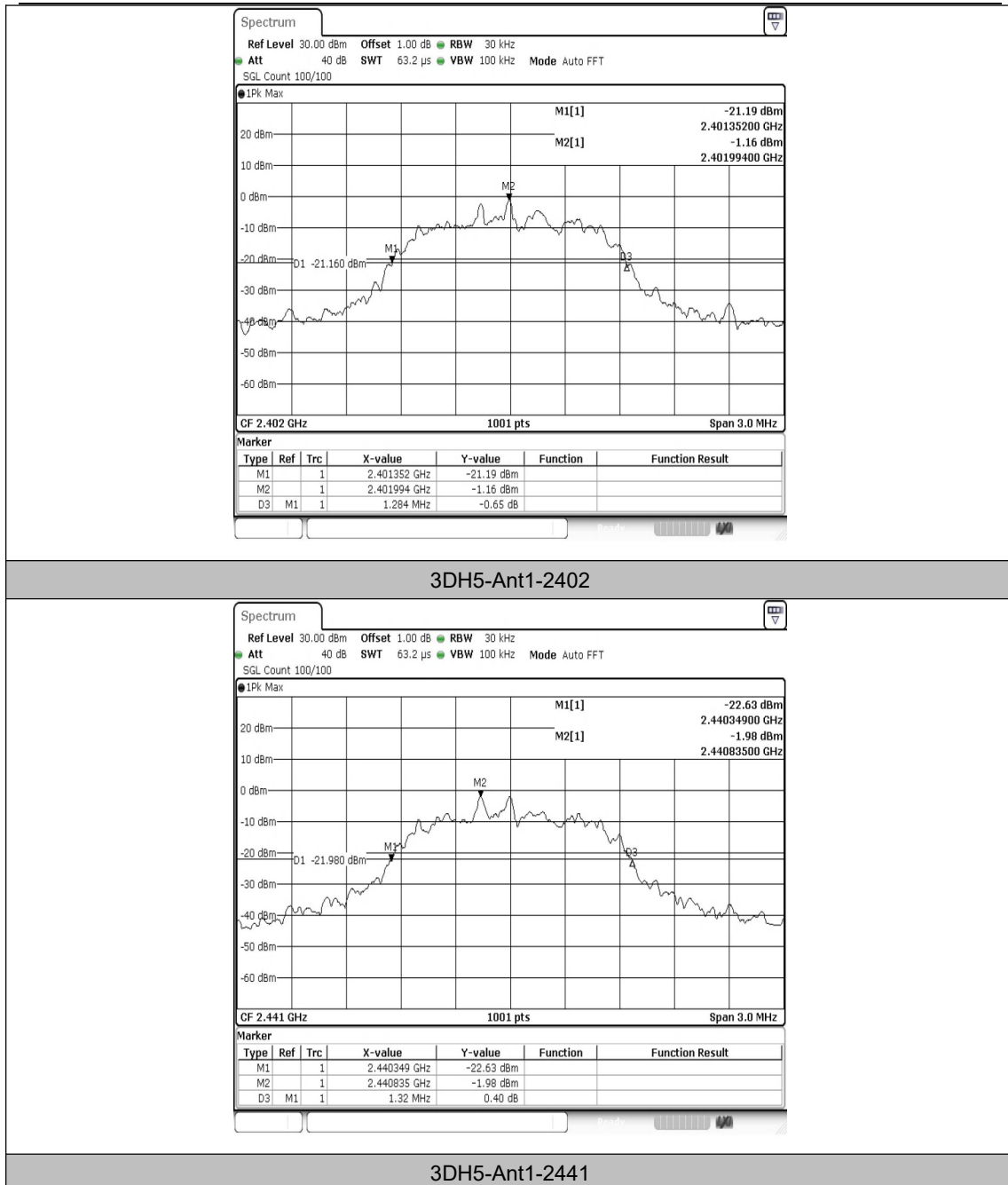
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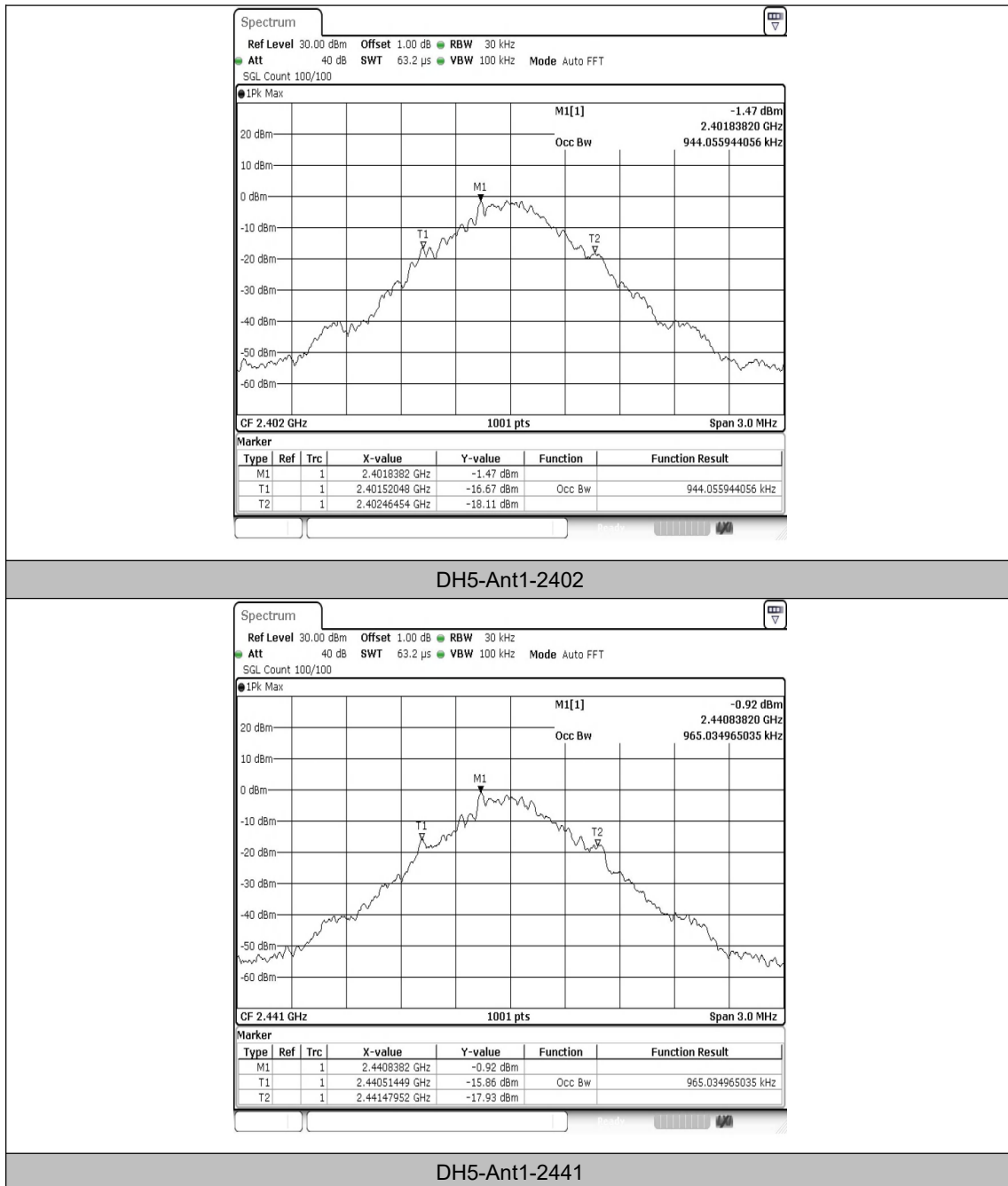
Appendix B: 99% Occupied Bandwidth

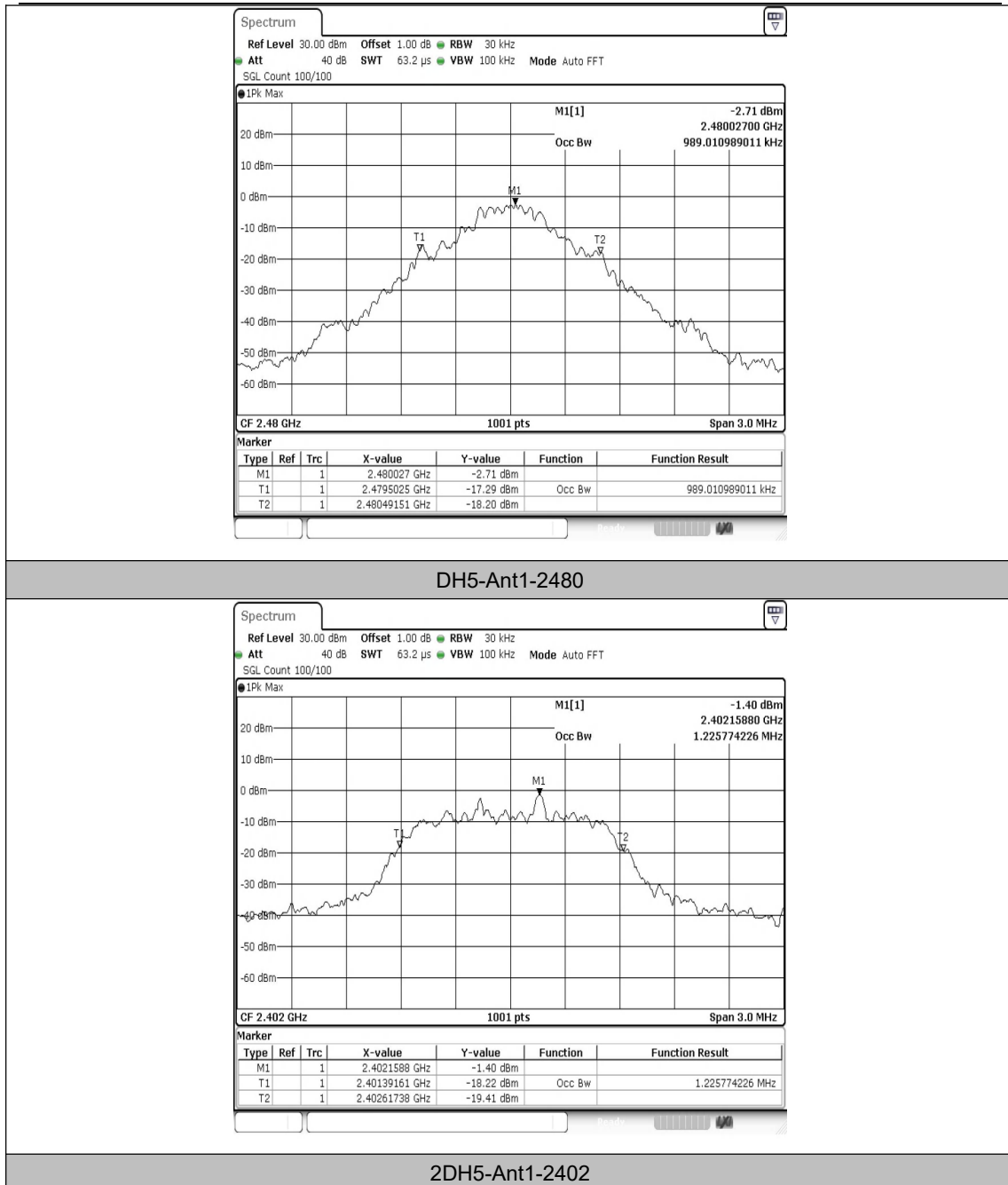
Test Result

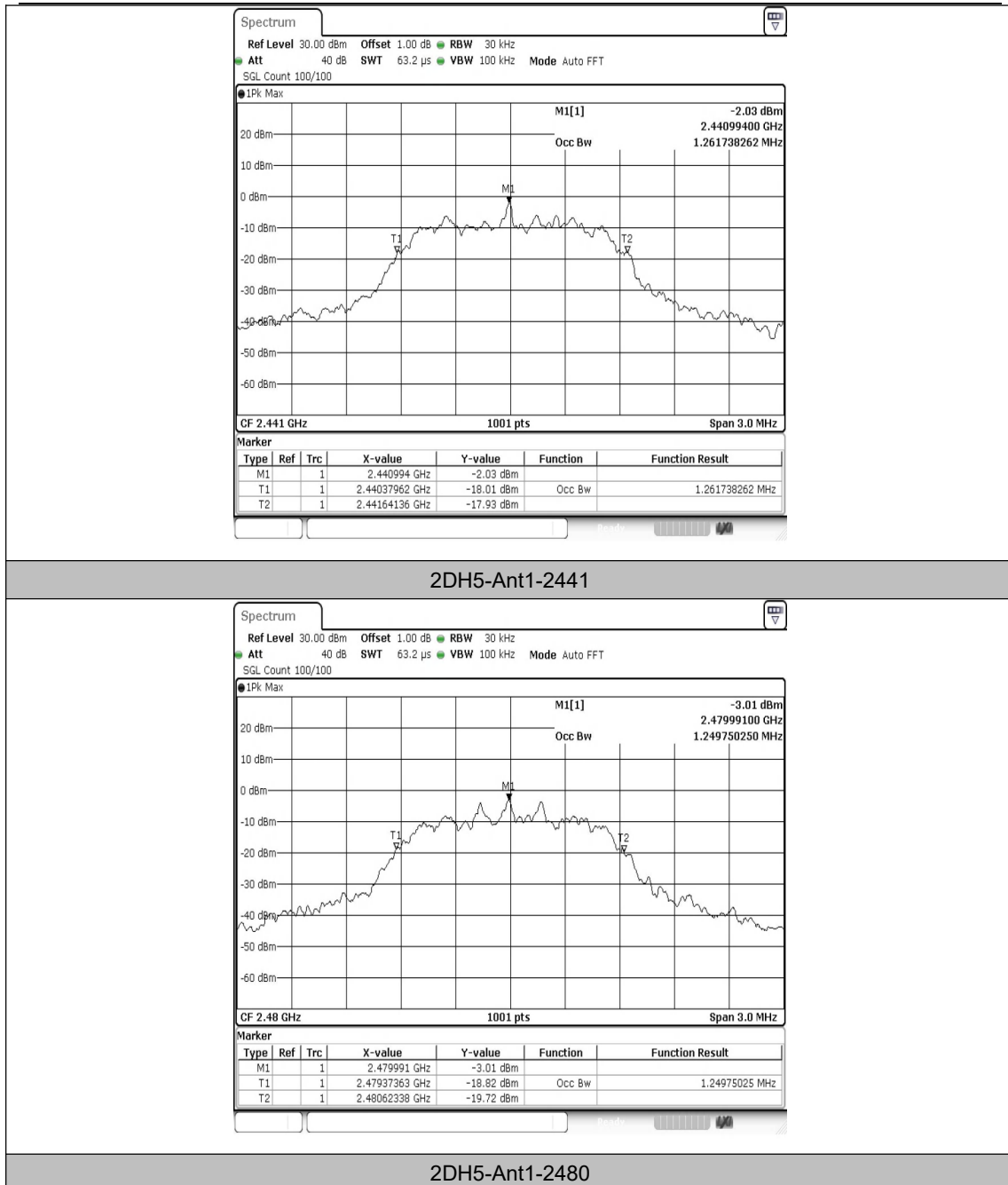
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.94406	2401.5205	2402.4645	---	---
DH5	Ant1	2441	0.96503	2440.5145	2441.4795	---	---
DH5	Ant1	2480	0.98901	2479.5025	2480.4915	---	---
2DH5	Ant1	2402	1.2258	2401.3916	2402.6174	---	---
2DH5	Ant1	2441	1.2617	2440.3796	2441.6414	---	---
2DH5	Ant1	2480	1.2498	2479.3736	2480.6234	---	---
3DH5	Ant1	2402	1.2348	2401.3796	2402.6144	---	---
3DH5	Ant1	2441	1.2438	2440.3736	2441.6174	---	---
3DH5	Ant1	2480	1.2258	2479.3856	2480.6114	---	---

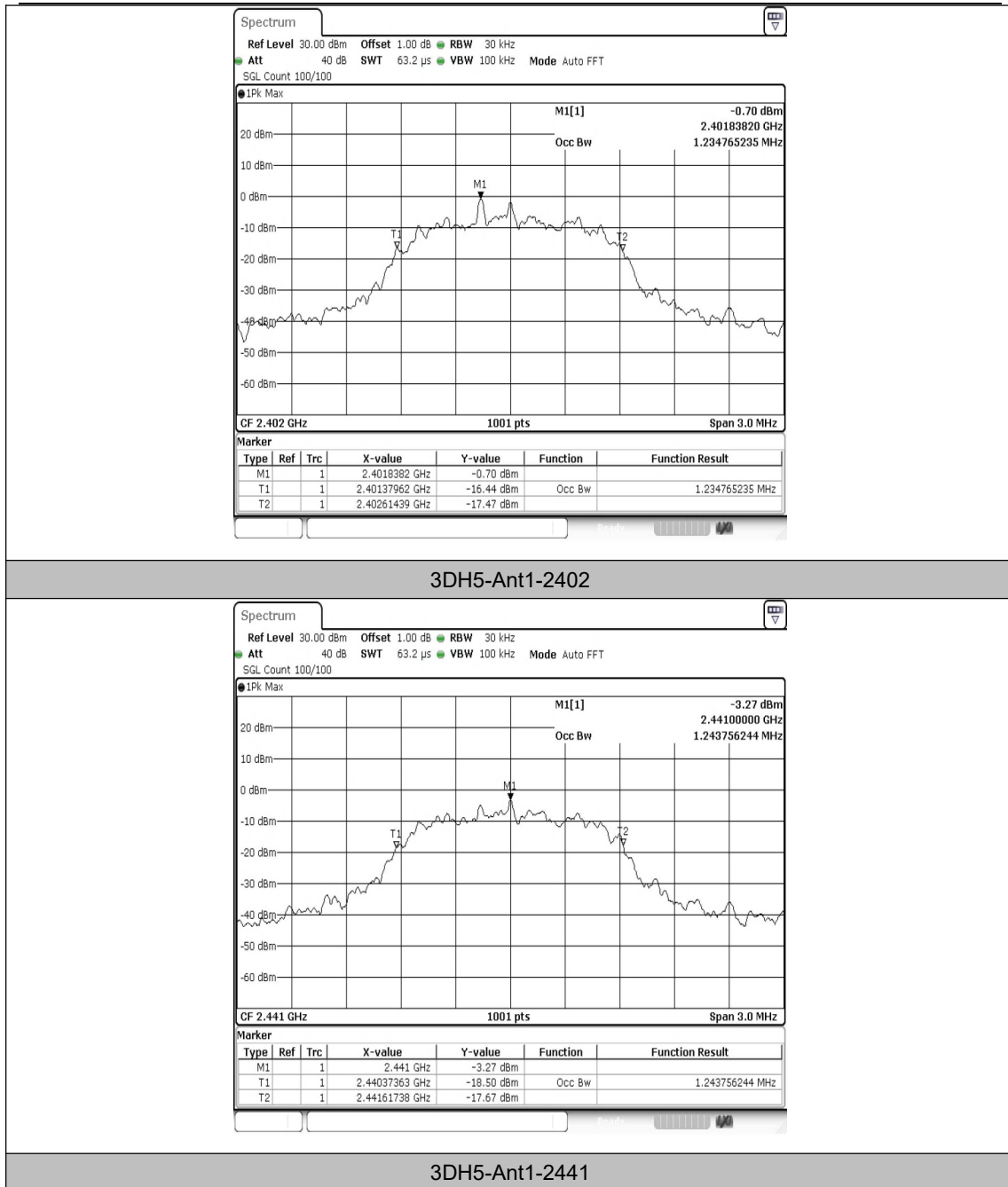


Test Graphs











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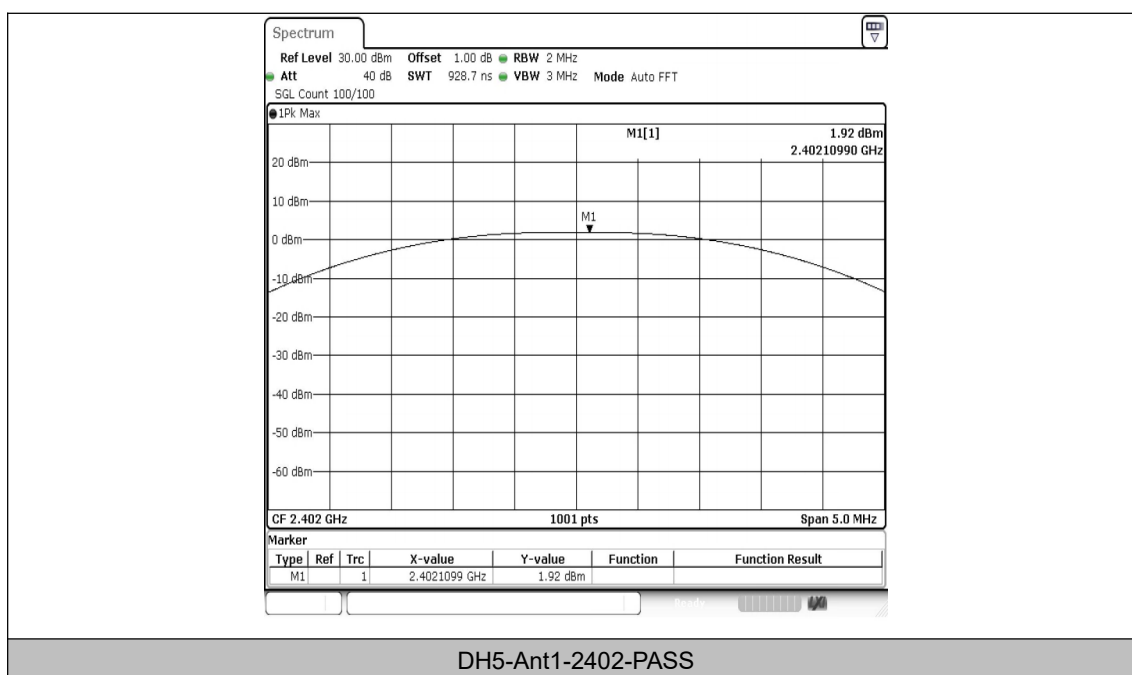
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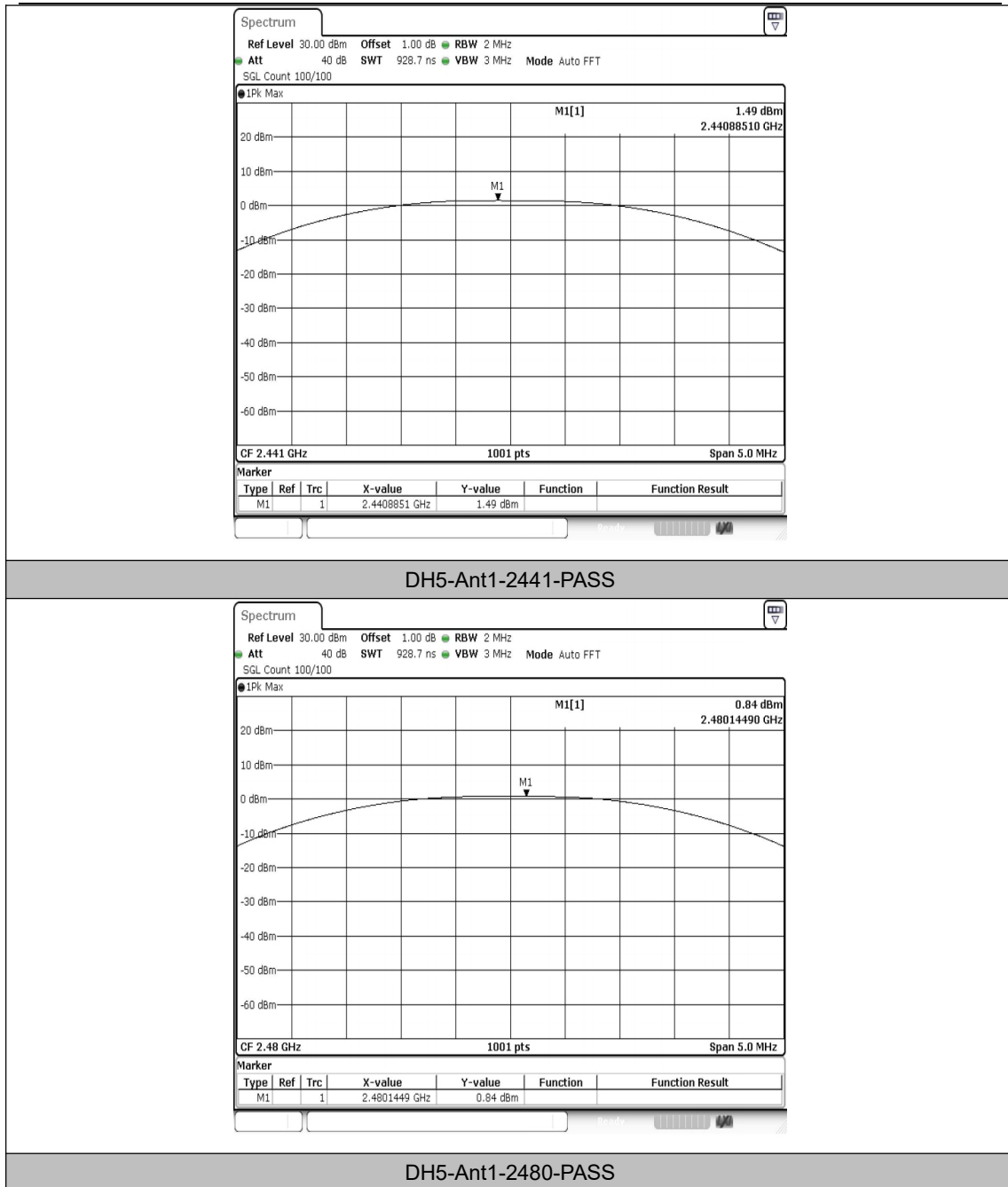
Appendix C: Maximum Conducted Output Power

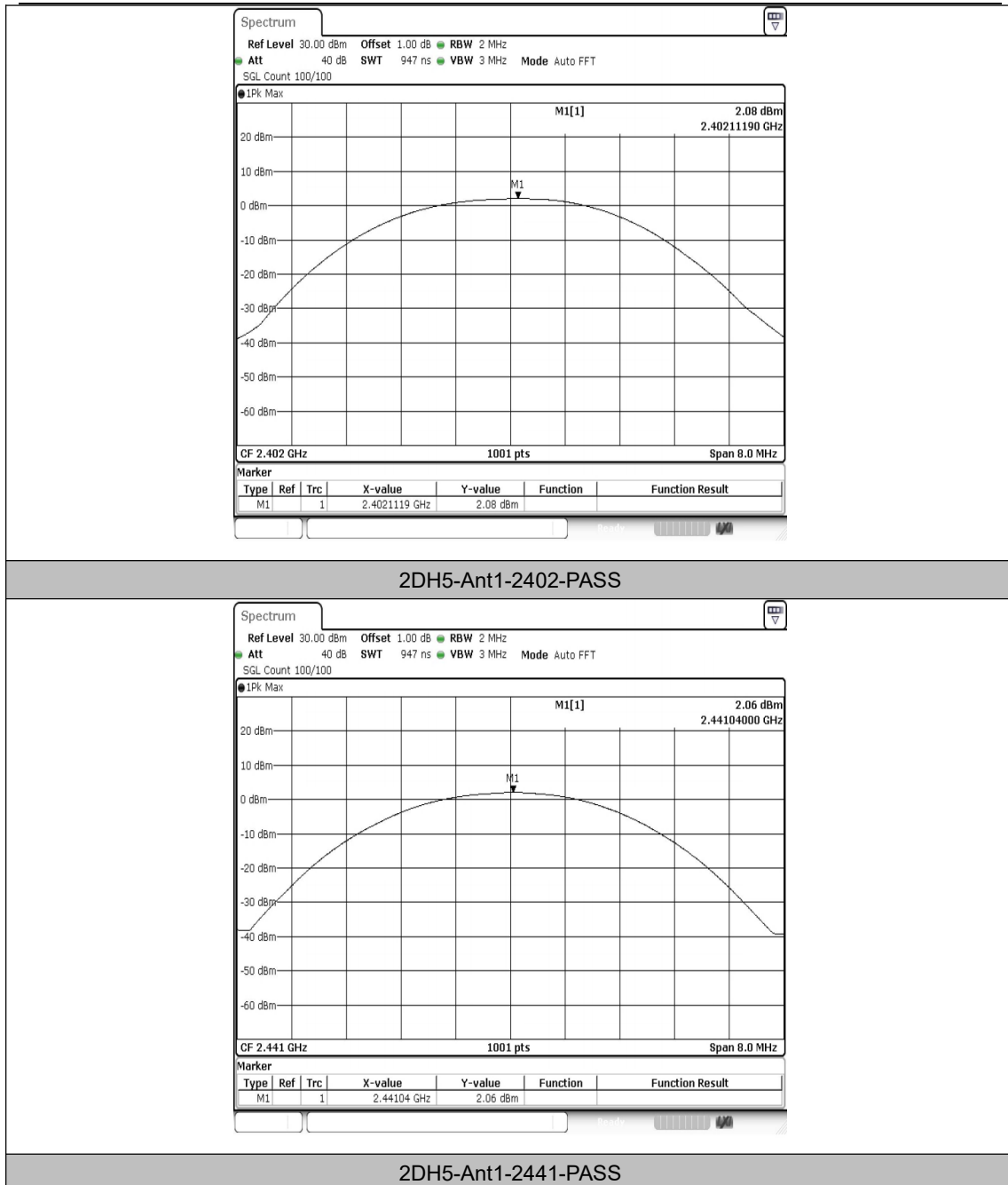
Test Result Peak

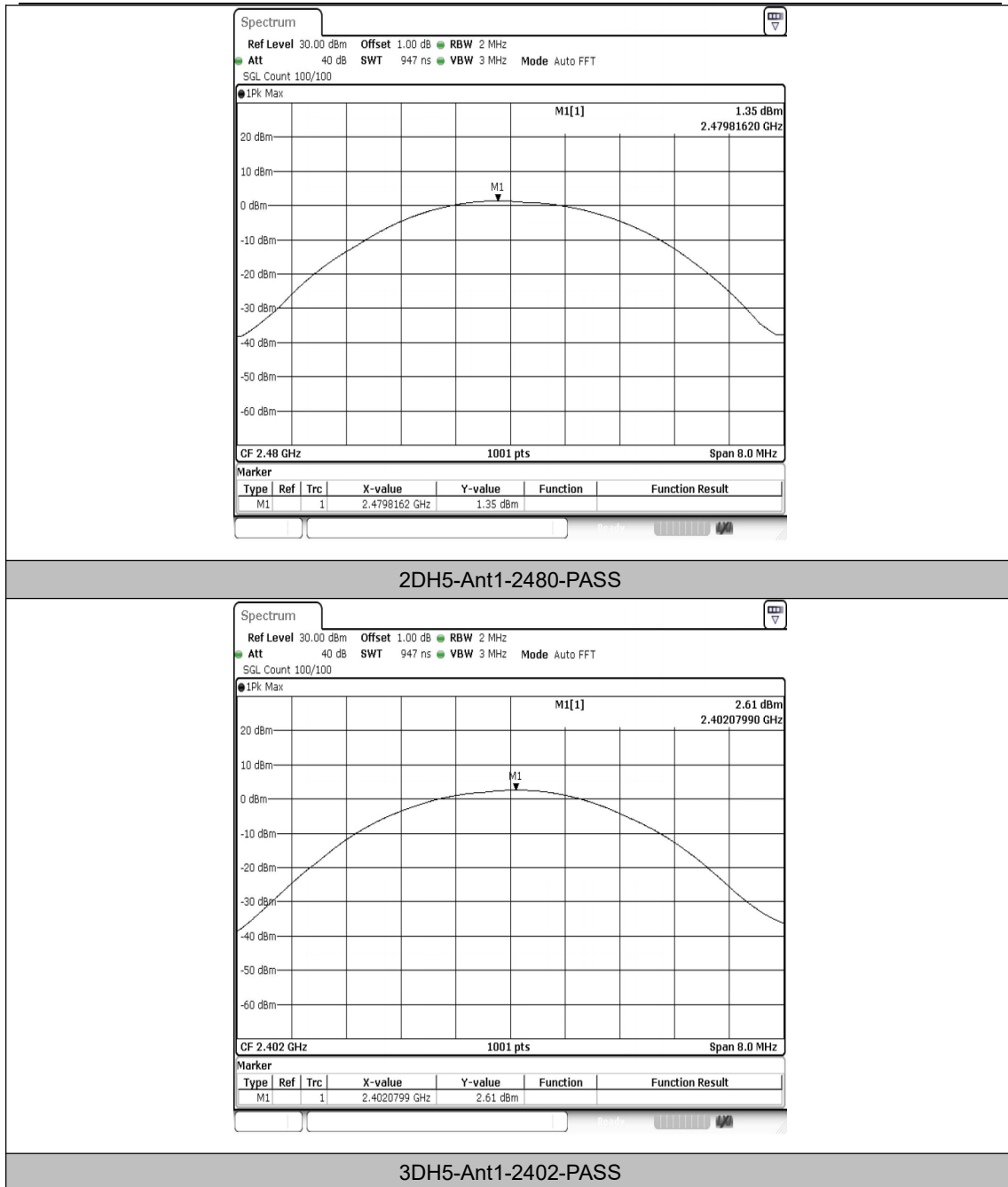
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.92	≤20.97	PASS
DH5	Ant1	2441	1.49	≤20.97	PASS
DH5	Ant1	2480	0.84	≤20.97	PASS
2DH5	Ant1	2402	2.08	≤20.97	PASS
2DH5	Ant1	2441	2.06	≤20.97	PASS
2DH5	Ant1	2480	1.35	≤20.97	PASS
3DH5	Ant1	2402	2.61	≤20.97	PASS
3DH5	Ant1	2441	1.98	≤20.97	PASS
3DH5	Ant1	2480	1.58	≤20.97	PASS

Test Graphs







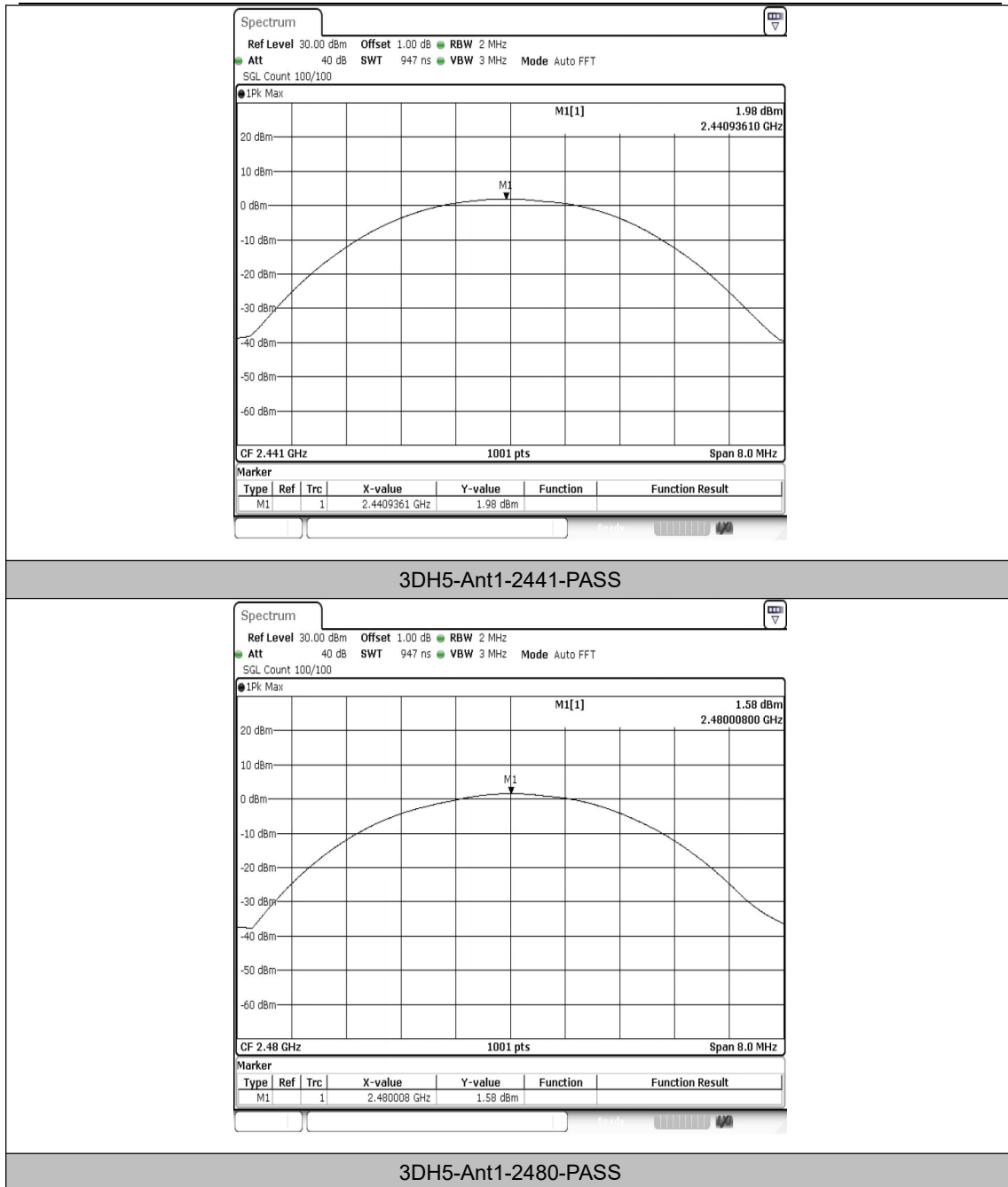


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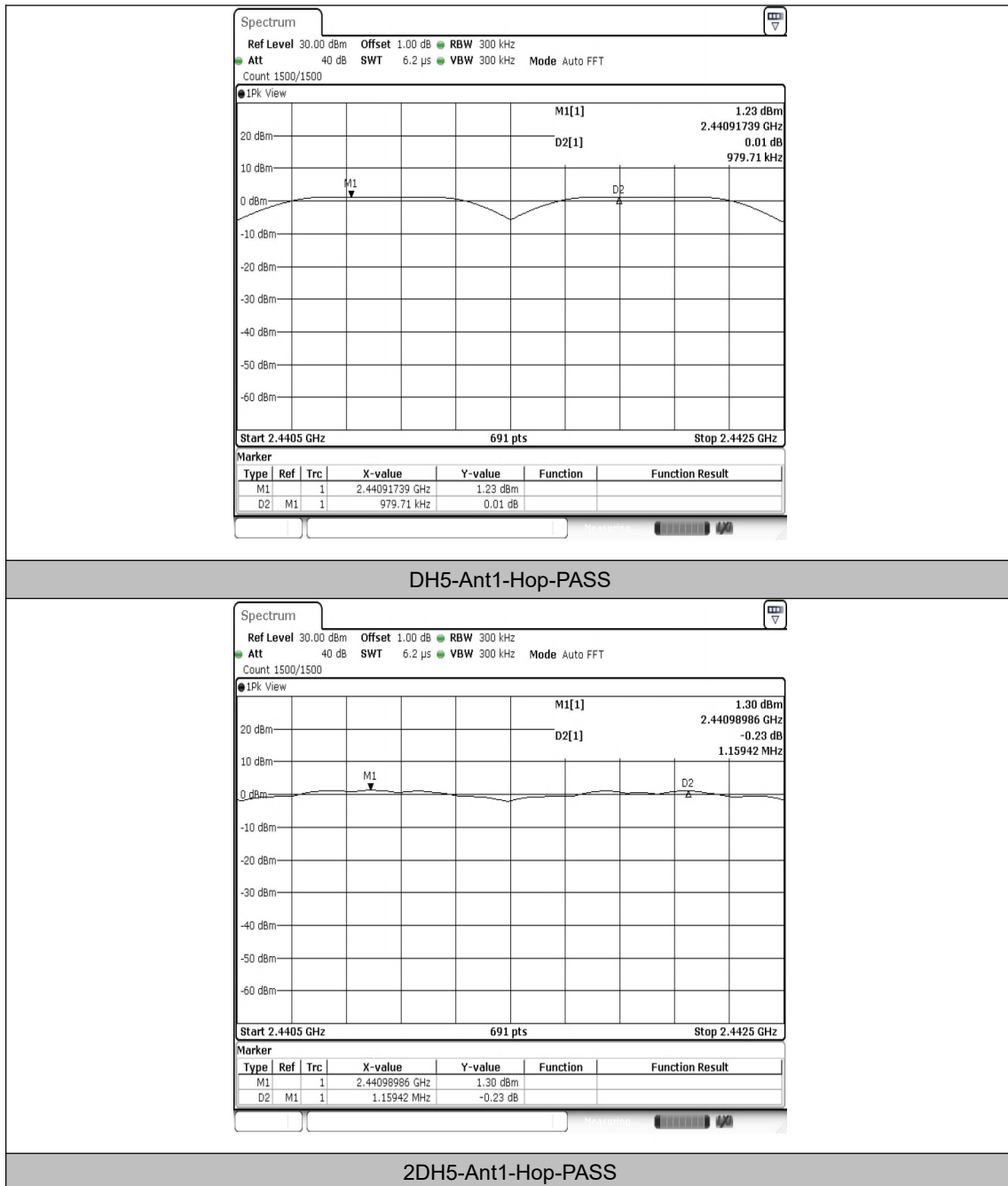
Appendix D: Carrier frequency separation

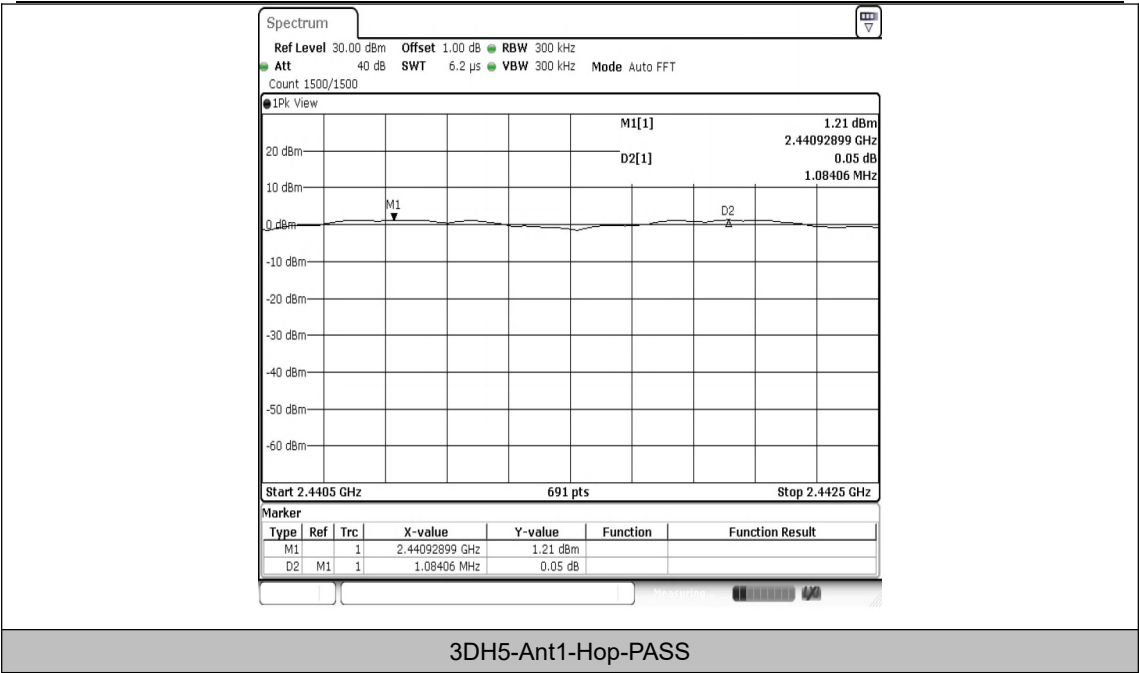
Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.98	≥0.720	PASS
2DH5	Ant1	Hop	1.159	≥0.947	PASS
3DH5	Ant1	Hop	1.084	≥0.880	PASS



Test Graphs





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Appendix E: Dwell Time

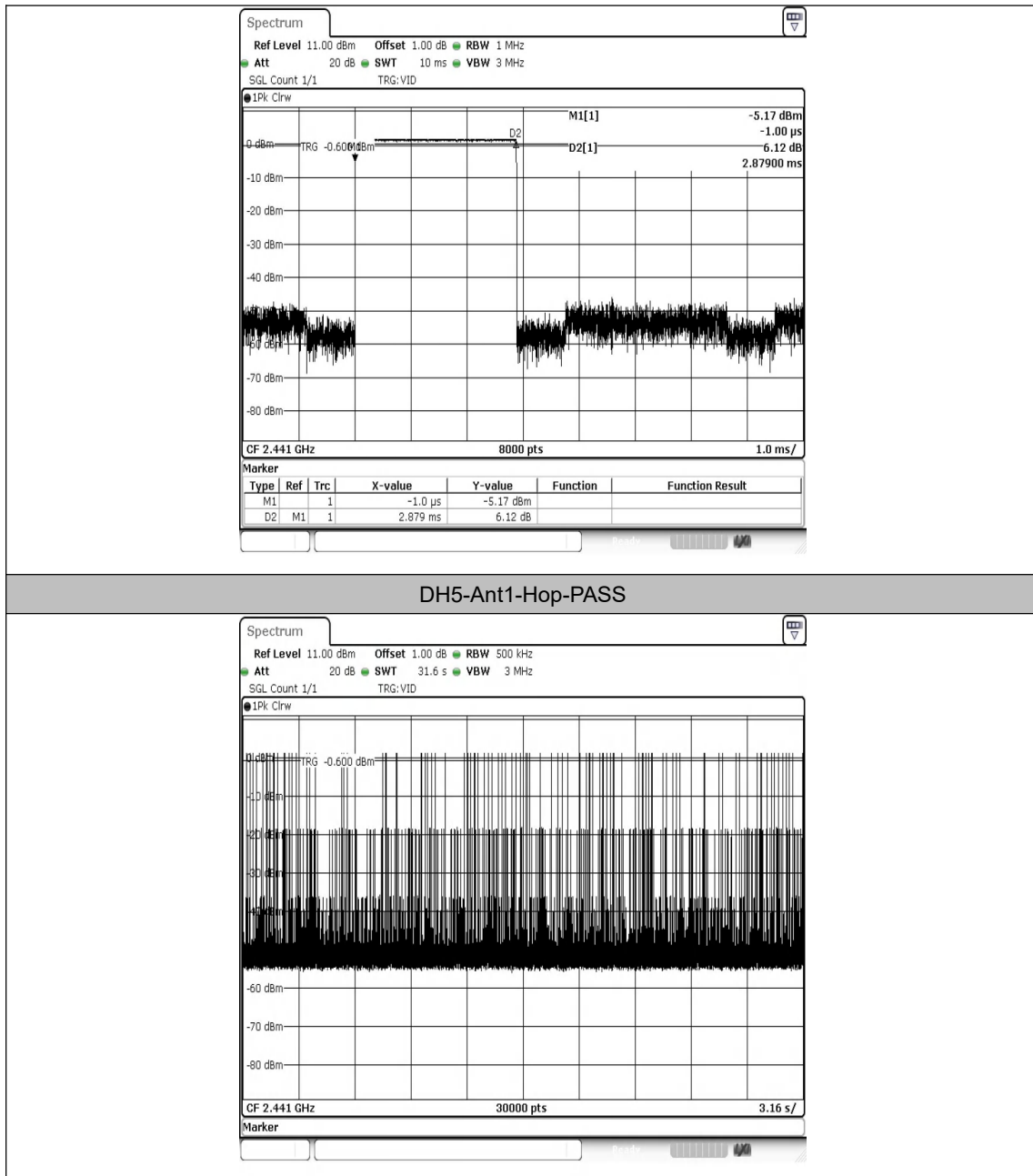
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.879	104	0.299	≤0.4	PASS
2DH5	Ant1	Hop	2.885	98	0.283	≤0.4	PASS
3DH5	Ant1	Hop	2.887	91	0.263	≤0.4	PASS

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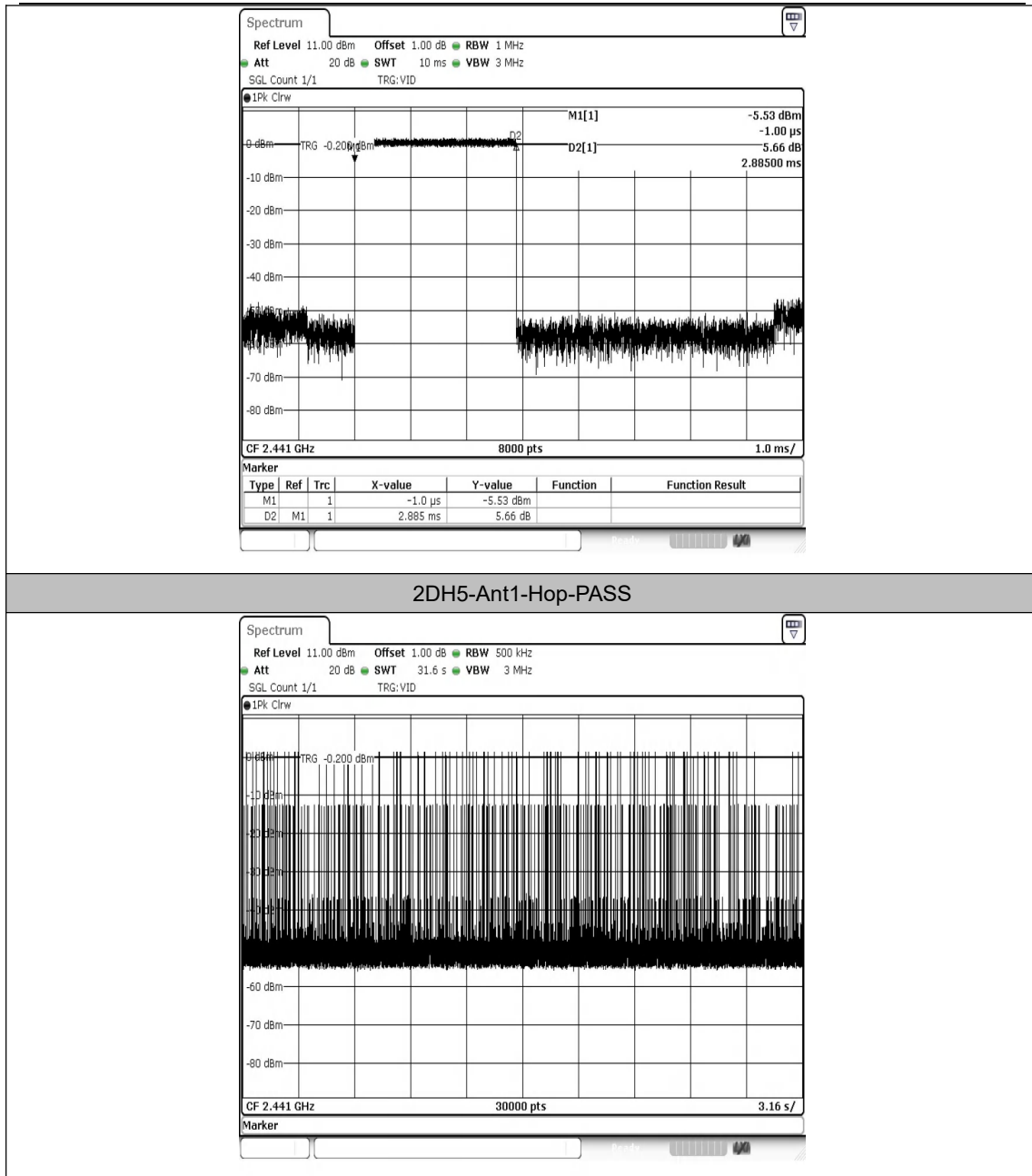
Test Graphs



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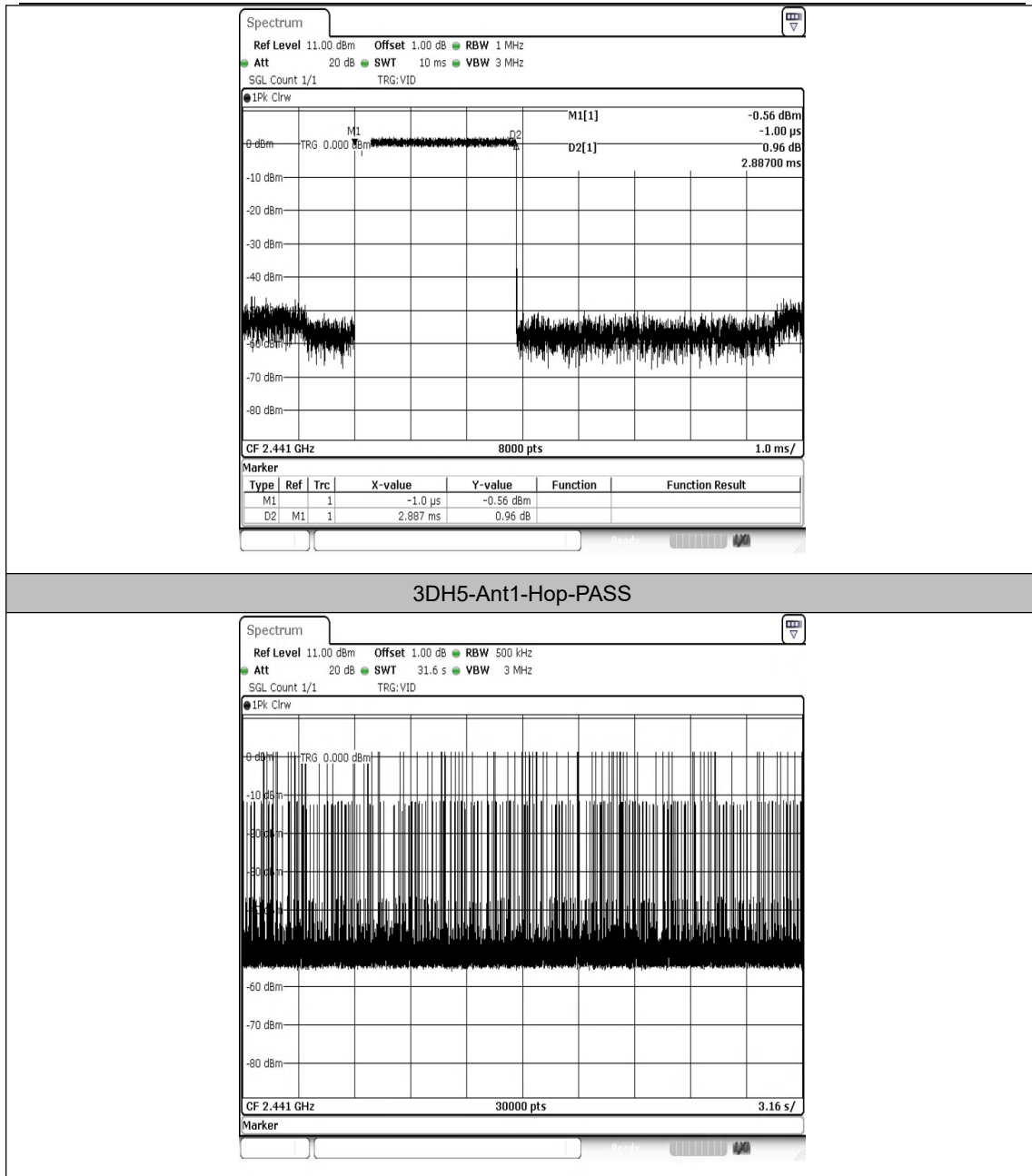
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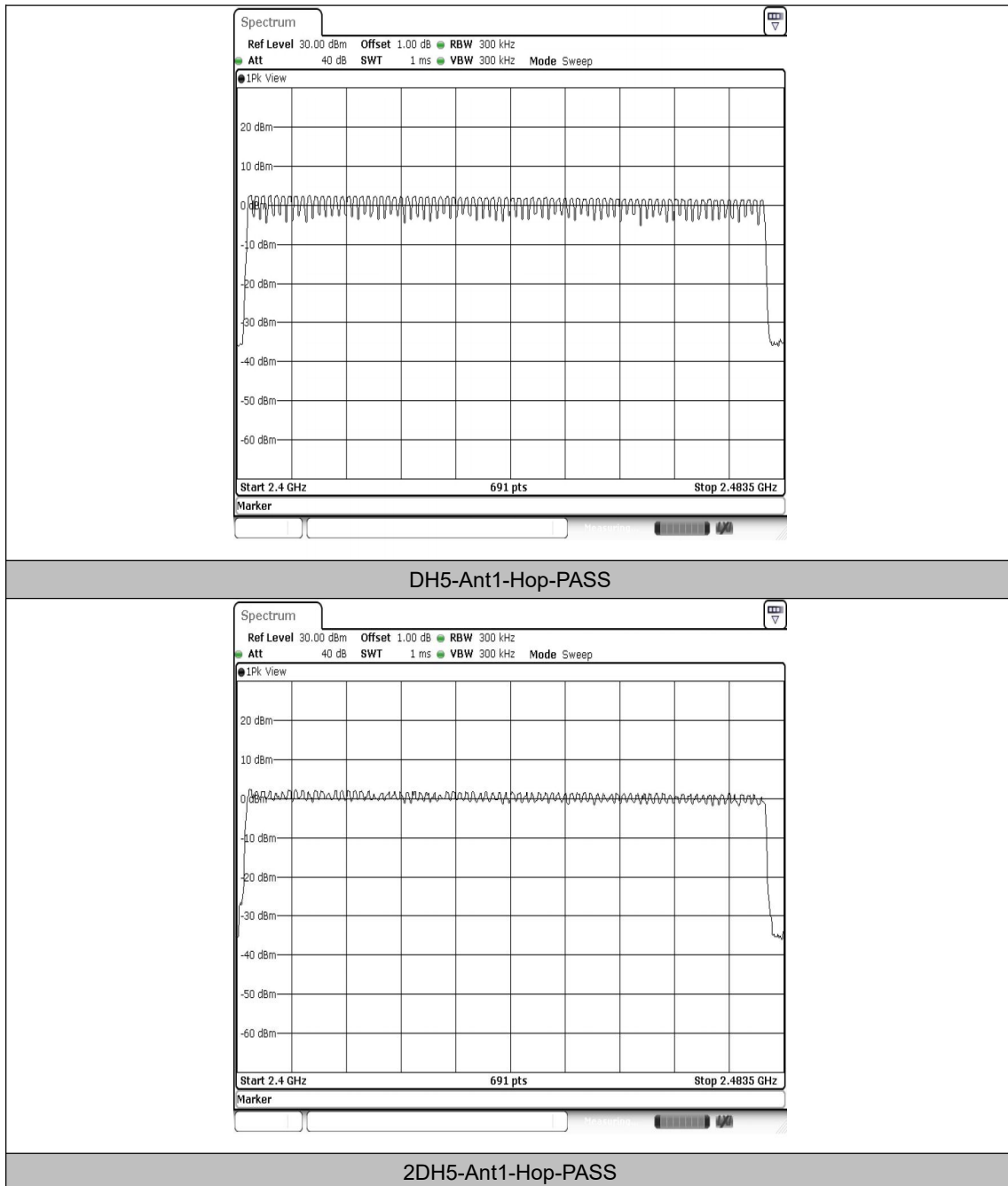
Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



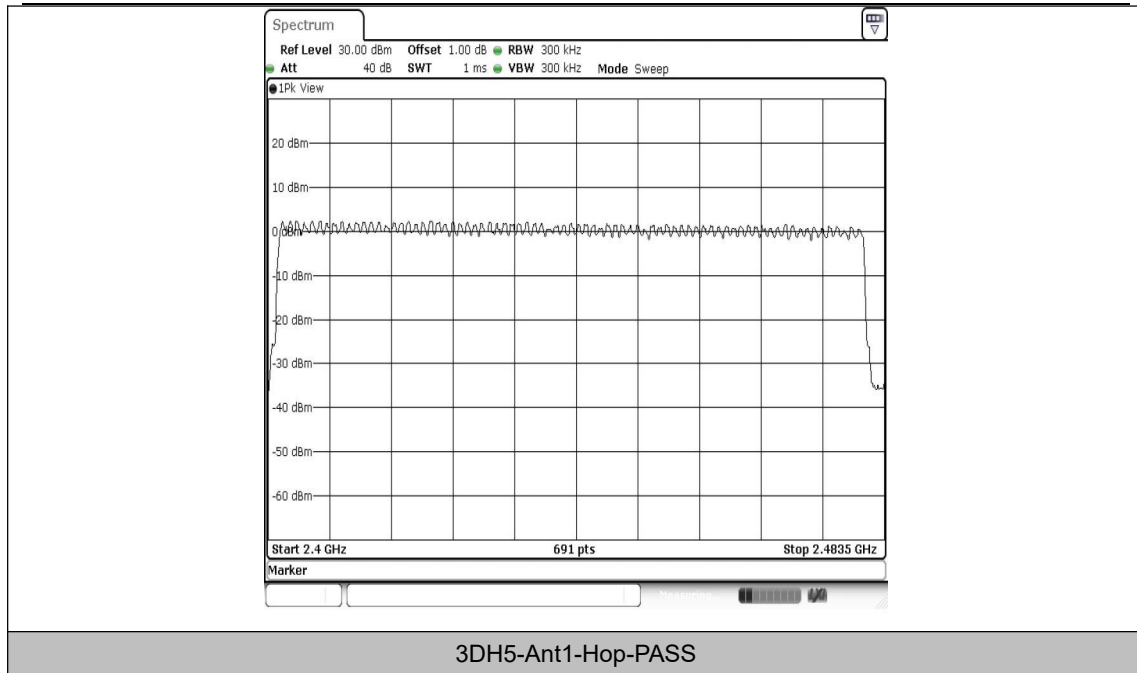
Test Graphs



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Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.73	-48.51	≤-18.27	PASS
DH5	Ant1	High	2480	0.21	-48.8	≤-19.79	PASS
DH5	Ant1	Low	Hop_2402	0.89	-47.36	≤-19.11	PASS
DH5	Ant1	High	Hop_2480	0.15	-49	≤-19.85	PASS
2DH5	Ant1	Low	2402	1.43	-48.8	≤-18.57	PASS
2DH5	Ant1	High	2480	0.10	-50.5	≤-19.9	PASS
2DH5	Ant1	Low	Hop_2402	-0.88	-49.34	≤-20.88	PASS
2DH5	Ant1	High	Hop_2480	0.49	-51.68	≤-19.51	PASS
3DH5	Ant1	Low	2402	1.43	-49.23	≤-18.57	PASS
3DH5	Ant1	High	2480	0.30	-49.97	≤-19.7	PASS
3DH5	Ant1	Low	Hop_2402	0.40	-50.13	≤-19.6	PASS
3DH5	Ant1	High	Hop_2480	-0.03	-49.16	≤-20.03	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.



Test Graphs

